SMC7904BRA3

4-Port Annex A ADSL2/2+ Modem Router

Product Overview

SMC7904BRA3, is a highly integrated residential broadband access device, which provides one ADSL2+ RJ11 port and four built-in Ethernet ports. The SMC7904BRA3 is fully compliant with ADSL2/2+ and Ethernet standards like IEEE802.3/802.3u. It provides high performance access to the Internet, downstream up to 24Mbps and upstream up to 2Mbps, making it ideal for individual users, SOHOs, and small enterprises. . With SMC7904BRA3, computers on the LAN side can communicate and share the Internet access and files with each other.

Key Features and Benefits

Enhanced ADSL2+ Technology

Instant always on Internet connectivity for wired computers. The built-in ADSL2/2+ modem gives unrivaled asymmetric high-speed data transfer rates with up to 24Mbps downstream.

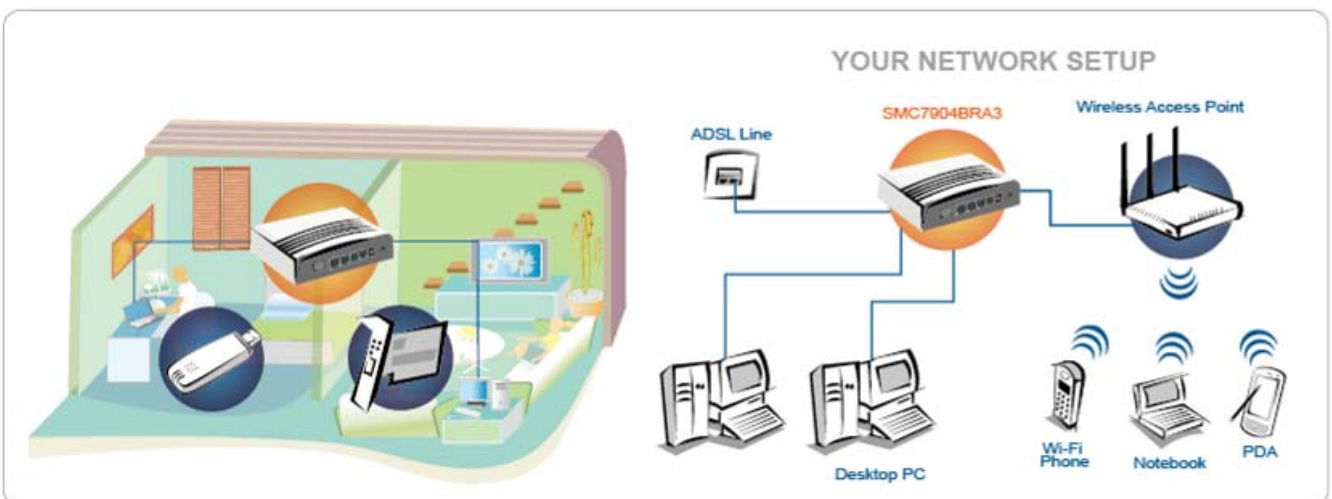
SPI Firewall Protection from Hackers

The NAT firewall with Stateful Packet Inspection (SPI), Intrusion Detection System & Denial-of-Service provides robust security from hackers while VPN pass-through allows secure connectivity to your office or corporate network. Access Control Lists with URL blocking allow you to control access to Internet services & filter inappropriate web sites.

Quality of Service (QoS)

The SMC7904BRA3 includes a build in QoS engine, which allow network administrators to allocate network resource and to prioritize real-time applications like voice & video, to enable smooth Internet phone (VoIP) and lag-free online gaming.

Application Diagram



Features

Hardware

Physical Interface
- 1 RJ-11 Jack for ADSL Interface
- 4 RJ-45 Jacks for 10/100 Base-Tx Ethernet Ports
- 1 Reset Button
- 1 Power DC jack
- 1 Power On / Off Switch

LED Indicators
- Power/ Data/ Link/ LAN

SOFTWARE

ADSL Compliance
- ANSI T1.413 Issue 2
- G.992.1 (G.dmt) Annex A
- G.992.2 (G.lite) Annex A
- G.992.3 ADSL2 (G.dmt.bis) Annex A/J/K/L/M
- G.992.4 ADSL2 (G.lite.bis)
- G.992.5 ADSL2+ Annex A/M

ATM Features
- Support up to 8 ATM PVCs
- Supports ATM Forum UNI 3.1/4.0 PVC
- Supports UBR, CBR, and rt-VBR and nrt-VBR service classes
- Provides ATM layer functionality
- Support up to 8 PVCs – traffic shaping (CBR, UBR, rt/nrt-VBR)
- Supports PPPoA (RFC2364)
- Supports MPoA functionality (RFC2684)
- Supports IP over ATM (IPoA)
- Support ATM cell format ITU -T I.361
- Supports OAM F4/F5 loopback

PPP Functions
- Point-to-Point Protocol (RFC1661)
- PPP over ATM (RFC2364)
- PPP over Ethernet (RFC2516)
- User Authentication
  - CHAP (RFC1994)
  - PAP (RFC1334)

Bridge Features
- Ethernet bridging
- Support Transparent Bridging
  - MAC address learning
  - MAC address filtering and protocol filtering for up-link

Routing Features
- RIP v1 / v2
- Static routing
- PPP / PPPoE (RFC 2516)
- NAT with ALGs
- NAPT
- IGMP v1 / v2
- IGMP Proxy / snooping
- IPv4
- IP pass through
- Virtual Server port forwarding

VLAN Support
- PVC/VLAN Ethernet Port Mapping
- 8 VLANs supported
- VLAN pass-through

Security
- Stateful Packet Inspection (SPI)
- Management Access Control for WAN
- User authentication for PPP (PAP / CHAP)
- DDoS (Dynamic DoS) Protection

Management
- Acess Administration
- Web based Configuration - HTTP server
- System configuration backup and restore
- SNMP Support (V.1 and V.2C) – MIB I, MIB II (RFC1213)
- Firmware Upgrade Available by Web / TFTP
- Remote Firmware Upgradeable
- UPnP
- Easy Setup Wizard
- TR069 Remote Management Diagnostic and ATM loop back

QoS
- IP ToS function (RFC 1349)
- 802.1p bit remarking
- Traffic classification by port, 802.1p , ToS and DSCP

Firewall
- NAT
- DMZ
- Filtering – IP Filtering, MAC Filtering, URL Filtering
- ACL (Access Control List)
- VPN (IPSec,PPTP,L2TP) pass-through

Dimension
- (L)132*(W)90*(H)33.5mm

Operating Environment
- 0° C ~ 40° C/ 32° F ~ 104° F
- 10% ~ 80% Non-condensing

Certifications
- FCC Class B
- CE Mark
- RoHS compliant

Warranty
- Please check www.smc.com for the warranty terms in your country/region.

Contact

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20 Mason, Irvine,
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1-800-SMC-4YOU
24/7 Technical Support

Europe/Africa
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08970 Sant Joan Despi
Barcelona, Spain

Check www.smc.com for your local country contact information

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